

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **84114368.8**

(51) Int. Cl.⁴: **C 12 P 21/02**

(22) Date of filing: **28.11.84**

(30) Priority: **30.11.83 JP 227750/83**

(43) Date of publication of application:
12.06.85 Bulletin 85/24

(88) Date of deferred publication of search report: **08.10.86**

(84) Designated Contracting States:
AT BE CH DE FR GB IT LI LU NL SE

(71) Applicant: **Takeda Chemical Industries, Ltd.**
27, Doshomachi 2-chome Higashi-ku
Osaka-shi Osaka, 541(JP)

(72) Inventor: **Kitano, Kazuaki**
15-4 Akasakadai 4-cho Sakai
Osaka 590-01(JP)

(72) Inventor: **Fujimoto, Shigeru**
11-11 Ishibashi 4-chome Ikeda
Osaka 563(JP)

(74) Representative: **von Kreisler, Alek, Dipl.-Chem. et al,**
Deichmannhaus am Hauptbahnhof
D-5000 Köln 1(DE)

(54) Method for producing interferons.

(57) A method for producing interferon which comprises cultivating a microorganism carrying an expression vector with a structural gene of interferon inserted therein in a chemically defined medium containing L-glutamic acid and an iron ion source and recovering interferon from the culture, gives high yield of interferon.



European Patent
Office

EUROPEAN SEARCH REPORT

0144064
Application number

EP 84 11 4368

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	EP-A-0 066 284 (AJINOMOTO) * Claims; examples 2,3; pages 6,7 *	1	C 12 P 21/02
A	--- WO-A-8 303 103 (CETUS) * Claims; pages 9,10 *	1	
A	--- US-A-3 065 156 (K. THOMPSON) * Example 1 *	1	
A	--- EP-A-0 076 489 (CIBA-GEIGY) * Claim 1; pages 50,51 *	1	
A	--- CHEMICAL ABSTRACTS, vol. 90, no. 23, 4th June 1979, page 495, abstract no. 184875b, Columbus, Ohio, US; H.E. VOEGELI et al.: "Protein production by a mixed bacterial culture using paracril 1880 and selected nitrogen sources", & INT. BIODETERIOR. BULL. 1978, 14(4), 119-22 * Abstract *	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			C 12 P C 12 N
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 02-07-1986	Examiner DELANGHE L.L.M.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	